



**PATIENT PRESENTING CLINICAL SIGNS**

**Onyx Higgs** History: 1-month duration of reduced appetite, lethargy, abdominal pain, intermittent vomiting and diarrhea with minimal response to symptomatic therapy. Melaena noticed by owner.

**SPECIES**

Physical Examination: Tense abdomen with pain response.

Canine

Urinalysis: N/A.

**BREED**

CBC: Normal.

GSD Mix

Serum Biochemistry: Normal. ACTH stimulation test pending.

Radiographic Findings: N/A.

**SEX**

MN

**AGE**

7 years

**WEIGHT**

29 kg

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Full urinary bladder with a thickened and irregular appearance of a section of the dorsal wall towards the trigone. Rest of the wall is of normal thickness and appearance. Normal anechoic urine with no sediment or uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

**INTERPRETED BY**

Normal iliac lymph nodes. Ureters not visualized.

Remo Lobetti, BVSc,  
MMedVet (Med), PhD,  
Dipl. ECVIM

Normal renal size (left 7.4 cm, right 7.5 cm), echogenic appearance, cortico-medullary differentiation, blood flow, capsule, and pelvis.

**Reproductive System**

Small hypoechogenic prostate.

**IMAGING PERFORMED BY**

Dr Jolee Stegemoller,  
DVM

**Adrenal Glands**

Normal shape, size, echogenic appearance, and position. Left 2 x 0.45/0.47 cm, right 1.89 x 0.64/0.62 cm.

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**Spleen**

Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**REFERRING VET**

Dr Jolee Stegemoller,  
DVM

**Liver**

**INVOICE**

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Normal size, echogenic appearance, and portal markings. No nodules or masses evident. Small gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct.

**DATE**

9/29/21



**PATIENT** *Gastrointestinal*

Onyx Higgs Normal appearance of the pylorus, stomach, duodenum, small intestine, and ileo-cecal junction with normal thickness, layering and peristaltic activity.

**SPECIES** *Pancreas*

Canine Normal size and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**BREED** *Free Abdomen*

GSD Mix No mesenteric lymphadenomegaly.  
No ascites.

**SEX**

MN

**AGE** **ULTRASONOGRAPHIC FINDINGS**

7 years Primary Findings:

- Bladder wall thickening.

**WEIGHT** Secondary Findings:

29 kg

- None.

**INTERPRETED BY**

Remo Lobetti, BVSc,  
MMedVet (Med), PhD,  
Dipl. ECVIM

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the urinary bladder would be chronic cystitis and emerging neoplasia, however, unlikely to be the cause of the presenting clinical signs.

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DVM

From the history, normal blood work, and unremarkable ultrasound, etiologies to considered would be low-grade chronic pancreatitis, gastric/duodenal ulceration, orthopedic conditions, spinal cord disease (arthrosis, disc disease, neoplasia, lumbar-sacral instability), and myalgia.

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Further assessment would be urinalysis, urine culture, neurological and orthopedic examinations, cPL/PSL assay, serum CK, and possibly endoscopy of the upper GI tract with biopsies.

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DVM

Specific therapy would be dependent on an etiological diagnosis.

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**PATIENT**

Onyx Higgs

**SPECIES**

Canine

**BREED**

GSD Mix

**SEX**

MN

**AGE**

7 years

**WEIGHT**

29 kg

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**IMAGES**

**Urinary bladder**



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**HOSPITAL NAME**

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**The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

**Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)**  
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